

**COUNCIL COMMUNICATION**

<b>TO: THE CITY COUNCIL</b>	<b>COUNCIL MEETING DATE</b>	<b>NO.</b>
<b>FROM: THE CITY MANAGER'S OFFICE</b>	<b>APRIL 4, 1990</b>	
<b>SUBJECT: SPECIFICATIONS FOR THE PURCHASE OF 61 CLASS 3 WOOD UTILITY POLES</b>		

**RECOMMENDED ACTION:** That the City Council approve the specifications and authorize advertisement for bids for the purchase of 61 Class 3 wood utility poles.

The bid opening date has been set for Wednesday, April 18, 1990.

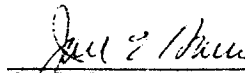
**BACKGROUND INFORMATION:** Poles in six lengths are included in this bid:

Quantity	Length
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15 each	35-foot
30 each	45-foot
10 each	50-foot
3 each	60-foot
2 each	65-foot
1 each	70-foot
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61 total	

These poles will be purchased to support the Electric Utility Department's ongoing maintenance program of replacing damaged or deteriorating poles currently in the system. Since August 2, 1989, when the City Council last authorized bidding for wood poles, a total of 65 Class 3 poles in the lengths listed above have been placed into service.

The estimated cost of this purchase is \$20,000, with delivery expected about 6 weeks following placement of order.

Funding for this purchase is available in the Electric Utility Department's operating fund.

  
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Joel E. Harris,  
Purchasing Officer

cc: Utility Director  
Assistant Utility Director  
Electrical Engineer

CITY OF LODI ELECTRIC UTILITY DEPARTMENT

SPECIFICATIONS

WOOD UTILITY POLES

1.0 SCOPE

These specifications cover the minimum acceptable quality of full-length wood poles for use in the City of Lodi's overhead distribution and transmission system.

2.0 SPECIFICATIONS

The following specifications shall be met:

- A. Poles and methods of manufacturing shall be in accordance with ANSI Standard 05.1-1379, "Specifications and Dimensions for Wood Poles," or the latest revision thereof, except the spiral grain of any poles shall not exceed one complete twist in any 30 feet.
- B. Poles shall be cut, marked and bored as specified in Section 6.0 of this specification.
- C. Poles that are drilled, other than as specified, (i.e. for better preservative penetration, etc.) will be rejected.

3.0 TREATING REQUIREMENTS

The following requirements shall be met:

- A. Prior to treatment, poles shall be seasoned to a maximum of twenty-five percent (25%) moisture content of the sapwood based upon the oven-dried weight.
- B. Poles shall be Douglas Fir and pressure-treated with pentachlorophenol by Cellon, Dow process in accordance with the requirements of AWWA\* Standards C1, "All Timber Products--Preservative Treatment by Pressure Processes," and C4, "Poles--Preservative Treatments by Pressure Processes," or the latest revisions thereof.

\*AWPA - American Wood-Preservers' Association

### 3.0 TREATING REQUIREMENTS(Continued)

- D. Retention shall be not less than **0.45** pounds of pentachlorophenol per cubic foot of wood.

### 4.0 OTHER SPECIES AND TREATMENTS

Quotations on species other than Douglas Fir and quotations on Douglas Fir treated with pentachlorophenol in a heavy petroleum solution which otherwise meet or exceed the requirements of these specifications will be considered as an alternate.

### 5.0 HANDLING AND SHIPPING

The following requirements shall be met:

- A. After treatment, the pole surface shall not be damaged by dragging or from the use of cant hooks, peavies, tongs, cables, slings and other tools normally used in pole-handling operations.
- B. Unloading shall be performed only by crane or boom supplied by the trucker/bidder. All shipments will be F.O.B. Lodi, California.

### 6.i) ADDITIONAL REQUIREMENTS

#### A. Marking

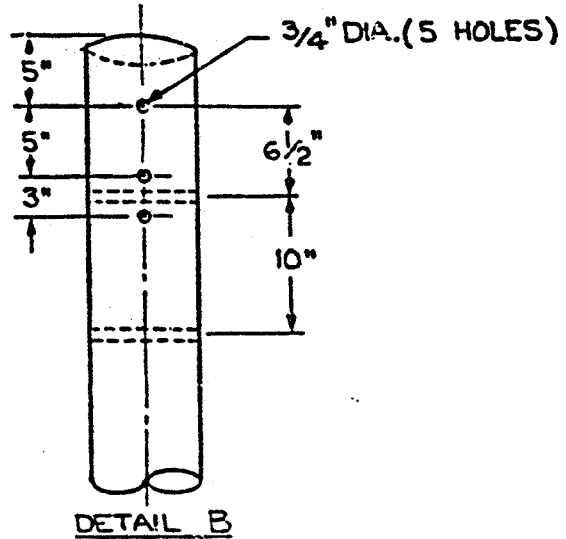
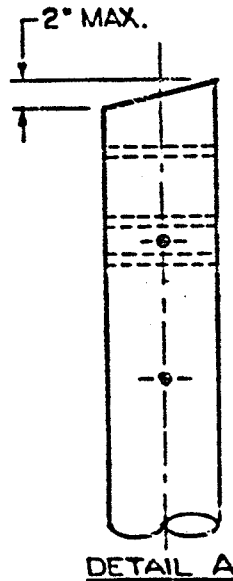
Poles shall be permanently marked on the face and the butt of each pole in accordance with ANSI Standard 05.1-1979.

Exception: The distance of the pole brands from the butt shall be:

10'	for 50' pole lengths and below
14'	for 55' - 75' pole lengths
18'	for 80' - 100' pole length:

#### B. Cutting and Boring

1. Full-length treated poles shall be cut, bored (if required) and marked before treatment.
2. Poles shall be cut so that the butts are approximately square.
3. Poles shall be cut so that the tops have a slope in any direction of not more than two inches (2") over the diameter (refer to Detail A, attached).
4. All 45' and 50' poles shall have holes bored as shown in Detail 8, attached.



POLE: TOO  
BORING REQUIREMENTS  
FOR 45' & 50' POLES ONLY



**CITY OF LODI**  
ELECTRIC UTILITY DEPARTMENT

ENGINEERING STANDARD  
**SPECIFICATIONS**  
WOOD UTILITY POLES

7/13/89					SHEET 54 OF 54
DATE	DRAWN	CHECKED	STD. COMM. CHAIRMAN	APPROVAL	REVISION 0